









# Technology and Applications.

Series	Connection	Size	Working pressure	Pilot pressure	Body material	Actuator material
			[bar]	[bar]		
82180/82280	G	G 1/2 - G 2	0 - 10/16/25	3.5 - 8	gunmetal	stainless steel
82190/82290	NPT	G 1/2 - G 2	0 - 10/16/25	3.5 - 8	gunmetal	stainless steel
82380/82480	G	G 1/2 - G 2	0 - 10/16/25/40	3.5 - 8	stainless steel	stainless steel
82390/82490	NPT	G 1/2 - G 2	0 - 10/16/25/40	3.5 - 8	stainless steel	stainless steel
82580*	G	G 1/2 - G 2	0 - 10	5.5 - 8	gunmetal	stainless steel
83230	G	G 1/2 - G 3	0 - 10	4.0 - 10	gunmetal	aluminium
84500	G	G 1/2 - G 2	0 - 10	3.5 - 10	gunmetal	polymer
84510	NPT	G 1/2 - G 2	0 - 10	3.5 - 10	gunmetal	polymer
84520	G	G 1/2 - G 2	0 - 10	3.5 - 10	stainless steel	polymer
84530	NPT	G 1/2 - G 2	0 - 10	3.5 - 10	stainless steel	polymer
84580/84880	DIN**	DN 15 - DN 50	0 - 10	3.5 - 8	stainless steel	stainless steel
84590/84890	ISO**	DN 15 - DN 50	0 - 10	3.5 - 8	stainless steel	stainless steel

\* German DVGW certification body  
\*\* Valves with welding spigots

### Applications:

-  Sewage treatment
-  Metering
-  Hot water and steam control systems
-  Industrial washing machines
-  Petrochemicals industry
-  Pneumatic conveyor systems
-  Dust filter systems
-  Metering of water in concrete mixing plants

### Example:

Gunmetal 84500 series valves with threaded connections used for metering.  
Spring return normally closed function.

### Features:

Angle seat design; good  $k_v$  value ( $m^3/h$ )  
Suitable for contaminated fluids  
Seat valve pressure actuated by external fluid

### Advantages and benefits:

High flow rate  
Damped closing (against flow)

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# The **Buschjost** Angle Seat Valves.



Valve Technology and Systems



Buschjost



# Our Know-how at Your Disposal.

## NAMUR interface

- with adapter plate available as accessory

## Simple conversion without tools

- normally open (NO)
- double acting (DA)

## Excellent external sealing

- self-adjusting FPM and PTFE seal packing

## Seal packing suitable for up to 90% vacuum

## Seat seal

- moving disc with PTFE seal
- extremely resistant to aggressive fluids and high temperatures

## Damped closing (Anti water hammer)

- The fluid passes under the disc

## High flow rate

- achieved through angle seat body

## Electric position indicator with two switches available as accessory

## Position indication

- visual position indicator standard

## Long service life

- one piece stem
- widely spaced guides

## Flexible positioning

- actuator can be turned to any angle

## Dirt-repellent surfaces

- compact, smooth actuator
- high-quality metal construction

## Types of connection

- BSP
- NPT
- DIN/ISO welding spigots

## Typical applications

- neutrals gases and liquids from 10 to 40 bar
- water and steam up to +200 °C
- aggressive fluids up to 25 bar
- viscosity 600 mm<sup>2</sup>/s

## Accessories

- Elektric position indication
- NAMUR pilot connection
- Closing with flow
- Water actuation
- Stroke limiting (adjustable flow)

Pilot valve mounted on main valve



3/2 valve standard



3/2 or 5/2 flange mounting valves, NAMUR interface



3/2 valve for hazardous areas

